

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claim 1 (currently amended) An echo canceler for generating an echo replica and for subtracting the echo replica from a local input signal to create a residual signal for outgoing transmission, comprising:

a plurality of ~~adaptive filters~~processors which have different computational accuracy for generating the echo replica; and

~~an evaluator~~a controller coupled to said ~~adaptive filters~~processors for grouping coefficients into a plurality of segments, ~~and evaluating a computational accuracy information according to the coefficients for said segments;~~ and a controller in said evaluator for assigning said local input signal into said ~~adaptive filters~~processors, and adjusting the coefficients according to the computational accuracy information.

Claim 2 (original) The echo canceler of claim 1, wherein the computational accuracy information is a power of the coefficients for each one of said segments.

Claim 3 (currently amended) The echo canceler of claim 1, wherein said controller assigns the local input signal to ~~an adaptive filter~~a processor for higher computational accuracy when the power for each one of said segments is above a predefined threshold.

Claim 4 (currently amended) The echo canceler of claim 1, wherein said controller

assigns the local input signal to a processor ~~an adaptive filter~~ for lower computational accuracy when the power for each one of said segments is below ~~the~~ a predefined threshold.

Claim 5 (currently amended) The echo canceler of claim 1, further comprising a supervisor for monitoring a computational overflow for each segment which is assigned to said ~~adaptive filter~~ processor for lower computational accuracy according to the computational accuracy information, and ordering said controller to assign the local input signal to said ~~adaptive filter~~ processor for higher computational accuracy when the overflow occurs in the segment.

Claim 6 (currently amended) The echo canceler of claim 1, further comprising a supervisor for monitoring a computational overflow for each segment which is assigned to said ~~adaptive filter~~ processor for lower computational accuracy according to the computational accuracy information, and ordering said controller to assign the local input signal to an additional ~~adaptive filter~~ processor when the overflow occurs in the segment.

Claim 7 (currently amended) A method of canceling an echo component of a local input signal to create a residual signal for outgoing transmission, comprising the steps of:

- grouping coefficients into a plurality of segments;
- evaluating a computational accuracy information according to the coefficients for said segments;
- assigning said local input signal to said ~~adaptive filters~~ a plurality of processors

having different computational accuracy according to the computational accuracy

information; and

adjusting the coefficients.

Claim 8 (original) A method according to claim 7, wherein said step of evaluating a computational accuracy information is a power of the coefficients for each one of said segments.

Claim 9 (currently amended) A method according to claim 7, wherein said step of assigning a controller assigns the local input signal to ~~an adaptive filter~~ a processor for higher computational accuracy when the power for each one of said segments is above a predefined threshold.

Claim 10 (currently amended) A method according to claim 7, wherein said step of assigning said controller assigns the local input signal to ~~an adaptive filter~~ a processor for lower computational accuracy when the power for each one of said segments is below ~~the a~~ predefined threshold.

Claim 11 (currently amended) A method according to claim 7, comprising the additional steps of:

monitoring a computational overflow for each segment which is assigned to said ~~adaptive filter~~ a processor for lower computational accuracy according to the computational accuracy information; and

ordering said controller to assign the local input signal to ~~said adaptive filter~~  
processor for higher computational accuracy when the overflow occurs in the segment.

Claim 12 (currently amended) A method according to claim 7, comprising the  
additional steps of:

monitoring a computational overflow for each segment which is assigned to ~~said~~  
~~adaptive filter~~ processor for lower computational accuracy according to the computational  
accuracy information; and

ordering said controller to assign the local input signal to an additional ~~adaptive~~  
~~filter~~ processor when the overflow occurs in the segment.